

Amendments To The Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1. (Currently Amended) A precipitated silica[[],] ~~characterized by which has~~
the following properties:

BET surface area	200 - 300 m ² /g ,
CTAB surface area	≥ 170 m ² /g ,
DBP number	200 - 300 g/(100 g), and
Sears number V ₂	23-35 ml/ (5 g).

Claim 2. (Currently Amended) The precipitated silica as claimed in claim 1,
~~characterized by the fact that~~ wherein the CTAB surface area is a maximum of 300 m²/g.

Claim 3. (Currently Amended) The precipitated silica as claimed in ~~any one of~~
~~Claims~~ Claim 1 or 2, ~~characterized by the fact that the precipitated silica which has a WK~~
~~coefficient of < 3.4 (ratio of the peak height of particles that are not decomposed broken-~~
~~down by ultrasound in the size range 1.0 - 100 μm to the peak height of the decomposed~~
~~broken-down particles in the size range <1.0 μm).~~

Claim 4. (Currently Amended) The precipitated silica as claimed in ~~any one of~~
~~Claims~~ ~~Claim 1 to 3, characterized by the fact that their~~ wherein the surface ~~areas~~ ~~area~~ of the
precipitated ~~of said~~ silica ~~are~~ ~~is~~ modified with an organosilane organosilanes of Formula I to
III:

$[\text{SiR}^1_n(\text{RO})_r(\text{Alk})_m(\text{Ar})_p]_q[\text{B}]$ (I),
 $\text{SiR}^1_n(\text{RO})_{3-n}(\text{Alkyl})$ (II),
or
 $\text{SiR}^1_n(\text{RO})_{3-n}(\text{Alkenyl})$ (III),
with the following meanings

B: -SCN, -SH, -C1, -NH₂, -OC(O)CHCH₂-, -OC(O)C(CH₃)CH₂- (if q = 1) or -Sw- (if q = 2), wherein B is chemically bonded to Alk,

R and R¹: an aliphatic, olefinic, aromatic or arylaromatic radicals ~~with~~ having 2 to 30 C atoms, which ~~can~~ may optionally be substituted by the following groups: hydroxyl, amino, alcoholate, cyanide, thiocyanide, halogen, sulfonic acid, sulfonic acid ester, thiol, benzoic acid, benzoic acid ester, ~~carbonic~~ carboxylic acid, ~~carbonic~~ carboxylic ester, acrylate, methacrylate, organosilane radical, and where R and R¹ ~~can~~ may have an identical or different meaning or substitution,

n: 0, 1 or 2,

Alk: a divalent unbranched or branched hydrocarbon radical ~~with~~ having 1 to 6 carbon atoms,

m: 0 or 1,

Ar: an aryl radical ~~with~~ having from 6 to 12 carbon atoms, ~~preferably~~ ~~6-C atoms~~, which ~~can~~ may be substituted by the following groups: hydroxyl, amino, alcoholate, cyanide, thiocyanide, halogen, sulfonic acid, sulfonic acid ester, thiol, benzoic acid, benzoic acid ester, ~~carbonic~~ carboxylic acid, ~~carbonic~~ carboxylic acid ester, acrylate, methacrylate, organosilane radical,

p: is 0 or 1, with the proviso that p and n are not simultaneously ~~mean~~ 0,

q: 1 or 2,

w: a number from 2 to 8,

r: 1, 2 or 3, with the proviso that $r + n + m + p = 4$,

Alkyl: is a monovalent unbranched or branched saturated hydrocarbon radical with 1 to 20 carbon atoms, preferably 2 to 8 carbon atoms, and

Alkenyl: a monovalent unbranched or branched unsaturated hydrocarbon radical having from 2 to 20 carbon atoms.

Claim 5. (Withdrawn-Currently Amended) A process for manufacture of a precipitated silica ~~with a~~ which has the following properties:

BET surface area	178-300 <u>200-300</u> m ² /g ,
CTAB surface area	≥ 170 m ² /g ,
DBP number	200 - 300 g/(100 g) ,
Sears number V ₂	25-35 ml/(5 g) ;

Where comprising:

- a) preparing an aqueous solution of an organic and/or inorganic salt and/or an alkali or alkaline- earth metal silicate and/or an organic and/or inorganic base ~~with~~ having a pH ≥ 9 ~~is~~ present;
- b) simultaneously metering water glass and an acidifier ~~are metered~~ into ~~this~~ the aqueous solution with stirring at 55 - 95° C for 10 - 120 minutes simultaneously;
- e) acidified acidifying the aqueous solution of step (b) with an acidifier to a pH value of approx. 3.5, and
- f) filtered and dried filtering and drying the acidified solution.

Claim 6. (Withdrawn-Currently Amended) The process as claimed in claim 5,
~~characterized by the fact that wherein~~ the concentration of the organic and/or inorganic salt in
the aqueous solution is 0.01 to 5 mol/l.

Claim 7. (Withdrawn-Currently Amended) The process as claimed in Claim 5 or 6,
~~characterized by the fact that that~~ conducting the following steps (c) and (d) ~~are carried out~~
between steps b) and e);

c) stopping the metering in of the water glass and the acidifier is stopped for 30 - 90
minutes while the temperature is maintained[[,]]; and

d) simultaneously metering in water glass and acidifier ~~are metered into this the~~
solution of step (d) with stirring at ~~this the~~ temperature of 55 - 95° C for 20 - 120 minutes,
simultaneously.

Claim 8. (Withdrawn-Currently Amended) The process as claimed in Claim 7,
~~characterized by the fact that wherein~~ the acidifier and/or water glass in steps b) and d) have
the same concentration or metering rate.

Claim 9. (Withdrawn-Currently Amended) The process as claimed in Claim 7,
~~characterized by the fact that wherein~~ the acidifier and/or water glass in steps b) and d) have a
different concentration or metering rate.

Claim 10. (Withdrawn-Currently Amended) The process as claimed in Claim 9,
~~characterized by the fact that with wherein in steps (b) and (d) the same concentration of~~
~~acidifier and/or and the water glass in steps b) and d) there are added in such a way that the~~
metering rate of the two materials in step d) is 125 - 140 % of the metering rate in step (b).

Claim 11. (Withdrawn-Currently Amended) The process as claimed in ~~any one of~~ ~~Claims~~ ~~Claim 5 to 10, characterized by the fact that for~~ wherein the drying process ~~is by~~ an air-lift drier, a spray drier, a rack drier, a conveyor drier, a rotary drier, a flash drier, a spin flash drier or a nozzle drier ~~is used~~.

Claim 12. (Withdrawn-Currently Amended) The process as claimed in ~~Claim 5 to 11, characterized by the fact that~~ wherein after the drying process a granulation process is ~~carried out~~ conducted with a roller compactor.

Claim 13. (Withdrawn-Currently Amended) The process as claimed in ~~any one of~~ ~~Claims~~ ~~Claim 5, to 12, characterized by the fact that~~ wherein during steps b) and/or d) an organic or inorganic salt is added to the solution.

Claim 14. (Withdrawn-Currently Amended) The process as claimed in ~~any one of~~ ~~Claims~~ ~~Claim 5, to 13, characterized by the fact that~~ wherein the granulated or ungranulated precipitated silica ~~is~~ are modified with organosilanes in mixtures of 0.5 to 50 parts relative to 100 parts precipitated silica~~[.]~~ ~~in particular 1 to 15 parts, relative to 100 parts precipitated~~ ~~silica, where the reaction between precipitated silica and organosilane is~~ ~~carried out~~ conducted during the production of the mixture (in situ), or outside of production by spraying and subsequent tempering of the mixture, or by mixing of the organosilane and the silica suspension with subsequent drying and tempering.

Claim 15. (Withdrawn-Currently Amended) Elastomer mixtures, vulcanizable rubber mixtures and vulcanizates, containing the precipitated silica as claimed in ~~any one of~~ ~~Claims~~ Claim 1 to 4.

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Claim 16. (Canceled)

Claim 17. (Withdrawn-Currently Amended) Tires for high speed utility vehicles, the rubber of which ~~eontaining~~ contains the precipitated silica as a filler as claimed in any one of Claims Claim 1.

Claim 18. (Canceled)

Claim 19. (Withdrawn-Currently Amended) Tires for high speed vehicles, the rubber of which ~~eontaining~~ contains the precipitated silica as a filler as claimed in any one of Claims Claim 1. to 4.

Claim 20. (New) The precipitated silica as claimed in claim 1, wherein the Sears number V_2 has a value ranging from 26-35 ml/ (5 g).